

Amendment to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application. Please amend the claims without prejudice or disclaimer to read as follows:

Claims 1-55 (Cancelled).

56. (Previously Presented) A method for analyzing a communications network having a plurality of components, the method comprising:

obtaining a site-specific computerized model of a physical environment associated with the communications network;

obtaining information pertaining to each of the plurality of components that are used in said communications network from a parts list library, wherein at least some of said information includes frequency-dependent characteristics of particular ones of the plurality of components;

modeling performance characteristics of the communications network based upon the information and the site-specific computerized model, wherein the modeling comprises evaluating the particular components based upon the frequency-dependent characteristics obtained from the parts list library; and

displaying the performance characteristics on a computer display.

57 (Previously Presented). The method of claim 56 wherein the information about each of the plurality of components is represented by a standard mark up language in said parts list library.

58 (Previously Presented). The method of claim 56 further comprising generating a bill of materials in response to the modeling.

59 (Previously Presented). The method of claim 56 wherein the modeling comprises modeling electrical performance of the communications network.

60 (Previously Presented). The method of claim 56 wherein the modeling comprises determining a cost of said communications network.

61 (Previously Presented). The method of claim 56 wherein the modeling comprises processing maintenance records of said communications network.

62 (Previously Presented). The method of claim 56 wherein the modeling comprises providing measurement of said communications network.

63 (Previously Presented). The method of claim 56 wherein the modeling comprises visualizing within said site-specific computerized model of said physical environment a configuration of said communications network.

64 (Previously Presented). The method of claim 56 wherein the modeling comprises verifying proper interconnections between the components.

65 (Previously Presented). The method of claim 56 wherein the modeling comprises identifying errors in interconnections in said communications network having said one or more components.

66 (Previously Presented). The method according to claim 56, wherein the displaying comprises displaying in real-time changes in the performance characteristics of the communications network on the display in response to a change in the operating frequency of the particular components.

67 (Previously Presented). The method according to claim 66, wherein the step of displaying in real-time comprises displaying changes in coverage.

68 (Previously Presented). The method according to claim 67, wherein the frequency dependent characteristic of the particular component is an operating frequency within one of a plurality of frequency bands.

69 (Previously Presented). The method according to claim 66, wherein the frequency dependent characteristic of the particular component is an operating frequency within one of a plurality of frequency bands.

70 (Previously Presented). The method according to claim 69, wherein the plurality of frequency bands correspond to a plurality of wireless standards.

71(Previously Presented). A system for analyzing a communications network having a plurality of components, the system comprising:

an electronic storage configured to store a parts list library comprising information pertaining to each of the plurality of components, wherein at least some of said information includes frequency-dependent characteristics of particular components of said plurality of components;

a processor configured to model performance characteristics of the communications network based upon a site-specific model of a physical environment associated with the communications network and upon information obtained from the parts list library including the frequency-dependent characteristics for the particular components of the communications network; and

a display in communication with the processor that is configured to display the performance characteristics.

72 (Previously Presented). The system of claim 71 wherein the information about each of the plurality of components is represented by a standard mark up language in said parts list library.

73 (Previously Presented). The system according to claim 71, wherein real-time changes in the performance characteristics of the communications network are displayed on the display in response to a change in operating frequency of a particular component.

74 (Previously Presented). The system according to claim 73, wherein the displaying in real-time displays changes in coverage.

75 (Previously Presented). The system according to claim 74, wherein the frequency dependent characteristic of a particular component is an operating frequency within one of a plurality of frequency bands.

76 (Previously Presented). The system according to claim 73, wherein the frequency dependent characteristic of a selected particular component is an operating frequency within one of a plurality of frequency bands.

77 (Previously Presented). The system according to claim 76, wherein the plurality of frequency bands correspond to a plurality of wireless standards.